RECORD OF TELEPHONE CONVERSATION

Name: Shanna Davis Received call: ( ) Initiated Call: (X) Title: Environmental Scientist Firm: Tetra Tech EM Inc. Date: 07/09/2008 Signature: Shanna Davis	Contacted: Charlie Appleby Agency: Quality Assurance Section, Science and Ecosystem Support Division (SESD), Management and Technical Services Branch, EPA Region 4 Telephone: 706-355-8555 Signature: Charles Appleby

Subject: Definitions of minimum reporting limit, minimum quantitation limit, contract required quantitation limit, and sample quantitation limit

SUMMARY OF TELECON

I contacted Mr. Charlie Appleby regarding the definitions and relationship between the minimum reporting limit (MRL), which is currently presented in the EPA Region 4 SESD Contract Laboratory Program (CLP) data sheets, and the contract required quantitation limit (CRQL) and sample quantitation limit (SQL), which are recognized by the Hazard Ranking System rule (see Section 1.1 and Table 2-3). Mr. Appleby provided the following information:

- In the EPA Region 4 Analytical Support Branch (ASB) laboratory, the MRL/MQL is statistically determined and it corresponds to the lowest quantitative point on the calibration curve.
- In the CLP program, the CRQL also corresponds to the lowest quantitative point on the calibration curve.
- The MRL and CRQL are determined for each analyte in a method, and adjusted on a per analyte - per sample basis to reflect the actual amount of sample prepared, and any dilutions performed, as well as the percent moisture of soil samples.
- We do report values less than the MRL, typically down to the method detection limit. These results are qualified as estimated results because there is no corresponding calibration point to compare directly to them.
- The MRLs that are currently on the CLP data sheets are the CRQLs for the CLP data packages.
- Based on the definitions of SQL and CRQL in the HRS rule (see Section 1.1 and Table 2-3), the MRL which is currently listed in the CLP data sheets is synonymous with the SQL and CRQL in that it corresponds to the lowest point on the calibration curve.

RESPONSE REQUIRED

(x) None ( ) Phone call ( ) Memo ( ) Letter ( ) Report

cc: File (x) Project Manager ( ) Principal Investigator ( ) Other (specify)